

Get the following insights from given data.

1). Calculate total transaction by each state.

State	Transaction
Maharashtra	207
Tamil Nadu	208
Karnataka	212
Gujarat	180
Delhi	193

2)Calculate total transaction by each state as well as Product Category

State	Furniture	Stationery	Clothing	Groceries	Electronics
Maharashtra	44	41	49		34
Tamil Nadu	41	33	45		43
Karnataka	42	46	42		42
Gujarat	32	35	41		36
Delhi	46	39	33		34

3. Calculate total quantity sold by region.

Region	Quantity
West	4073
South	4434
North	2067

4. Calculate total quantity sold by region as well as product name.

Product Name	West	South	North
Table	195	126	122
Ruler	299	227	100
Dress	333	218	94
Lentils	212	170	82
Eraser	221	196	102
Headphones	136	289	113
Laptop	224	161	76
Pants	240	187	117
Shirt	205	246	100
Rice	149	193	93
Sugar	166	286	141
Bed	269	201	98
Oil	140	269	49
Jacket	124	309	79
Pen	179	258	162
Smartphone	241	205	178
Tablet	150	146	105
Sofa	216	272	141
Notebook	188	212	42
Chair	186	263	73

**5. Calculate the average sales amount of each state.**

State	Sales Amount
Maharashtra	27830.67372
Tamil Nadu	27134.40221
Karnataka	26483.01505
Gujarat	28533.112
Delhi	26873.91306

**6. Calculate the average sales amount of each state as well as product name.**

Product Name	Sales Amount				
	Maharashtra	Tamil Nadu	Karnataka	Gujarat	Delhi
Table	38662.597	35085.67143	23067.12111	32837.26	1567
Ruler	43785.45786	30057.32273	31485.85111	26490.76778	1848
Dress	30640.46786	29541.24833	24915.60462	36623.43063	1732
Lentils	22604.765	22387.31455	18460.16714	33434.6625	3064
Eraser	21005.85727	38438.6725	27159.828	27662.045	27
Headphones	20493.717	30791.05077	19381.846	24442.228	2
Dress	30640.46786	29541.24833	24915.60462	36623.43063	1732
Ruler	43785.45786	30057.32273	31485.85111	26490.76778	1848
Table	38662.597	35085.67143	23067.12111	32837.26	1567
Laptop	30650.07	17166.38182	16054.80455	18891.22429	2915
Pants	23413.66154	19109.51417	30651.68429	18084.935	26
Shirt	27481.54615	27920.51071	17877.335	18763.74833	371
Rice	38081.86625	23350.72923	19208.84375	31220.09857	3088
Sugar	13318.49	40036.8775	31959.31563	29435.41444	3099
Bed	24333.63214	16080.82	32533.19867	25486.045	2302
Lentils	22604.765	22387.31455	18460.16714	33434.6625	3064
Oil	17657.138	37448.04727	22077.20091	21420.66333	25
Jacket	18048.37667	31840.89615	33361.73333	32038.84	4480
Pen	37838.78375	28004.417	39912.095	26236.234	2146
Smartphone	27004.65091	20202.60125	21837.68	39713.64364	2848
Tablet	23835.44444	23809.70071	13271.98	22217.92333	3648
Sofa	30217.91091	22212.57692	35664.82	38399.10833	3164
Notebook	30544.415	29065.8325	26651.268	37593.99	358
Chair	31185.26444	29243.80333	28592.91375	42883.33333	16

**7. Calculate each city maximum sales.**

City	Sales Amount
Nagpur	87316.38
Coimbatore	95022.8
Bengaluru	82928.16
Madurai	87949.2
Mumbai	99406.6
Chennai	94929.32
Mysuru	87311.6
Ahmedabad	97123.4
Dwarka	94230.2
Pune	79546.16
Surat	74713.86

<b>Karol Bagh</b>	77219.2
<b>Hubli</b>	85758.4
<b>New Delhi</b>	78513
<b>Vadodara</b>	69317.13